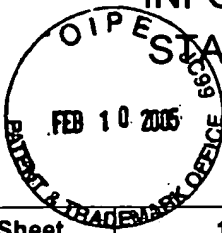
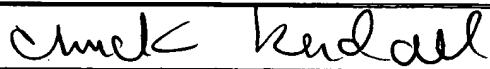



Substitute for Form 1449/PTO <div style="text-align: center;">  <h2 style="margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="margin: 0;">(use as many sheets as necessary)</p> </div>			Complete if Known		
			Application Number	10/750,044	
			Filing Date	12/30/2003	
			First Named Inventor:	Mario Kabadiyski, et al.	
			Art Unit	2122	
			Examiner Name	Unassigned	
			Attorney Docket Number	006570.P030	
Sheet	1	of	3		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
✓		US-	6,260,187 B1	07-10-2001	CIRNE	
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FOREIGN PATENT DOCUMENTS								
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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				

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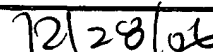
Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
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				Filing Date	12/30/2003
				First Named Inventor:	Mario Kabadiyski, et al.
				Art Unit	2122
				Examiner Name	Unassigned
Sheet	2	of	3	Attorney Docket Number	006570.P030
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
ek		IAN WELCH, et al., "Kava- A Reflective Java Based on Bytecode Rewriting" SpringerLink -Verlag Berling Heidelberg 2000, Chapter, Lecture Notes in Computer Science, W. Cazzola, et al. Editors, Reflection and Software Engineering, LNCS, pages 155-167.			
✓		Wily Technology, Inc., Wily Solutions "How Introscope® Works" – Enterprise Application Management, http://www.wilytech.com/solutions/products/howWorks.html , 1999-2004, printed 7/2/2004 (1 page).			
✓		BEN STEPHENSON, et al., "Characterization and Optimization of Java Applications" Department of Computer Science, Abstract in Western Research Forum Program & Abstracts, page 20, 2003.			
✓		Wily Technology, Inc., Wily Solutions "Wily Introscope®" – Enterprise Application Management, http://www.wilytech.com/solutions/products/Introscope.html , 1999-2004, printed 7/2/2004 (2 pgs.).			
✓		Sun Microsystems, Java – J2EE 1.4 Application Server Developer's Guide, "Debugging J2EE Applications" Chapter 4, http://java.sun.com/j2ee/1.4/docs/devguide/dgdebug.html , 2003, printed 7/2/2004 (11 pgs.).			
✓		Wily Technology, Inc., Wily Technology, Inc., Wily Solutions "The Wily 5 Solution – Enterprise Applications are Your Business", http://www.wilytech.com/solutions/ibm_family.html , 1999-2004, printed 7/2/2004 (2 pgs.).			
✓		AJAY CHANDER et al., "Mobile Code Security by Java Bytecode Instrumentation", Proceedings of the DARPA Information Survivability Conference & Exposition DISCEX-II 2001, June 12-14, 2001, Stanford University and University of Pennsylvania, [*Partially supported by DARPA contract N66001-00-C-8015 and ONR grant N00014-97-1-0505] (14 pgs.).			
✓		Mobile-Code Security Mechanisms for Jini – "Mobile-Code Security Mechanisms for Jini" Download code, DISCEX 2001 Paper, http://theory.stanford.edu/people/jcm/software/jinifilter.html , printed 7/2/2004 – (3 pgs.).			
✓		ALLEN GOLDBERG, et al., "Instrumentation of Java Bytecode for Runtime Analysis", Fifth ECOOP Workshop on Formal Techniques for Java-like Programs, July 21, 2003, Kestrel Technology, NASA Ames Research Center, Moffett Field, California USA, (9 pgs.).			
✓		ALGIS RUDYS, et al., "Enforcing Java Run-Time Properties Using Bytecode Rewriting", International Symposium on Software Security (Tokyo, Japan), November 2002, Rice University, Houston, TX 77005, USA (16 pgs.).			
✓		HAN BOK LEE, et al., "BIT: A Tool for Instrumenting Java Bytecodes", originally published in the Proceedings of the USENIX Symposium on Internet Technologies and Systems, Monterey, California, December 1997, www.usenix.org/ (11 pgs.).			

Examiner Signature	Chuck Kendall	Date Considered	12/28/03
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ck		REINHOLD PLOSH, Johannes Kepler University Linz, Austria, "Evaluation of Assertion Support for the Java Programming Language", JOT: Journal of Object Technology, Vol. 1, No. 3, Special issue: TOOLS USA 2002 Proceedings, pp. 5-17, http://www.jot.fm/issues/issue_2002_08/article1			
✓		ETIENNE GAGNON, et al., "Effective Inline-Threaded Interpretation of Java Bytecode Using Preparation Sequences", Sable Research Group, Université du Québec à Montréal and McGill University, Montreal, Canada, January 2003 (15 pgs.)			
✓		GEOFF A. COHEN, et al., Software-Practice and Experience, [Version: 2000/03/06 v2.1] "An Architecture for Safe Bytecode Insertion", Department of Computer Science, Duke University (27 pgs.)			
✓		REYNALD AFFELDT, et al., "Supporting Objects in Run-Time Bytecode Specialization", Department of Graphics and Computer Science, University of Tokyo, ASIA-PEPM '02, September 12-17, 2002, ACM, pp. 50-60.			
✓		NATHAN MACRIDES, Security Techniques for Mobile Code "SANS Security Essentials (GSEC) Practical Assignment Version 1.4", July 11, 2002, (11 pgs.)			
✓		DYLAN McNAMEE, et al., "Specialization Tools and Techniques for Systematic Optimization of System Software", Oregon Graduate Institute of Science & Technology, and University of Rennes/IRISA, ACM Transactions on Computer Systems, 2001, (30 pgs.)			
✓		WEN LI, et al., "Collaboration Transparency in the DISCIPLE Framework", CAIP Center, Rutgers – The State University of New Jersey, Piscataway, NJ, USA, Proceeding of the ACM International Conference on Supporting Group Work (Group '99) November 14-17, 1999, Phoenix, AZ, (10 pgs.)			
✓		JONATHAN DAVIES, et al., Proceedings of the 2nd international conference on "An Aspect Oriented Performance Analysis Environment", 10 pgs., 2003, Boston, Massachusetts March 17 - 21, 2003.			
✓		PETER W. GILL, "Probing for a Continued Validation Prototype", a Thesis Submitted to the Faculty of the Worcester Polytechnic Institute, May 2001, (111 pages)			

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